

INTRODUCTION

Purpose

The purpose of the project is to reposition the main ebb tide channel in Bogue Inlet to a more central location between the west end of Bogue Banks and the east end of Bear Island (Hammocks Beach State Park). The main channel in Bogue Inlet presently occupies a position adjacent to the western end of the Town of Emerald Isle and is causing severe erosion that threatens portions of the subdivision known as “The Pointe” (Figure 1).

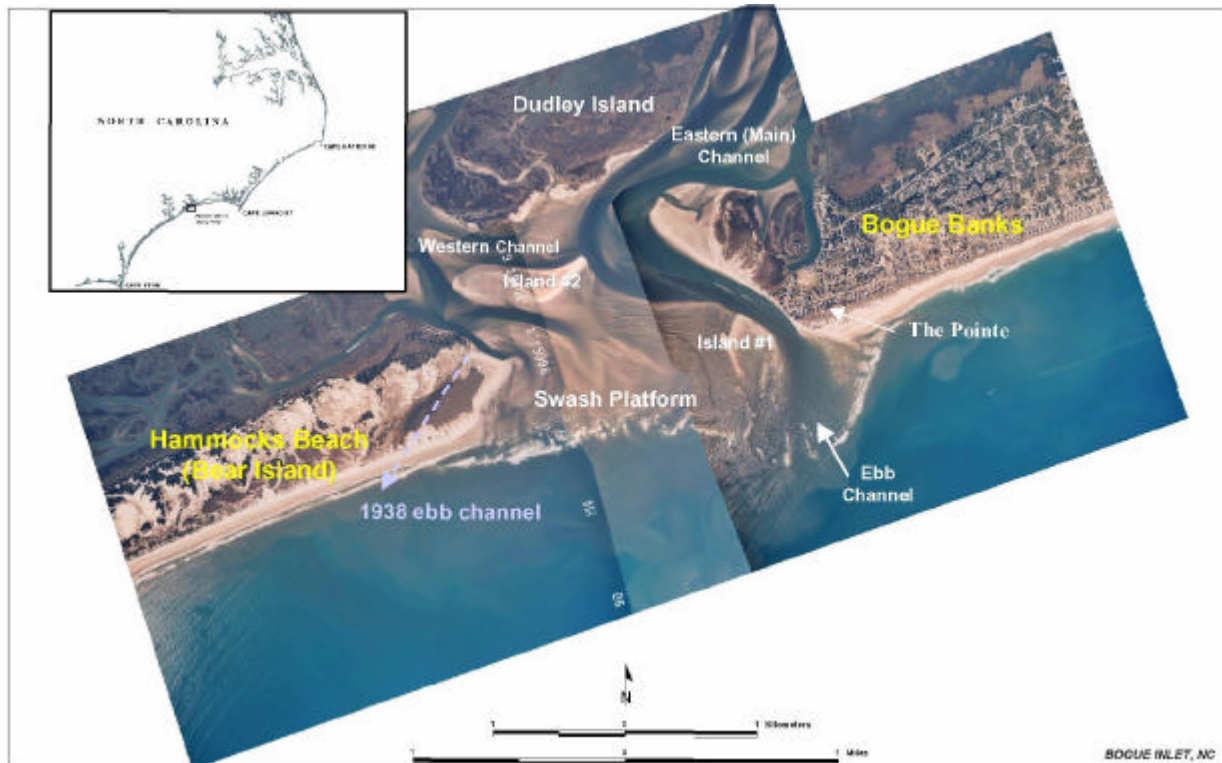


Figure 1. Location Map

The repositioning of the channel to a more central location would restore the channel to a position it occupied in the late 1970's (Figure 2) and reduce the erosion caused by the tidal currents on the eastern side of the inlet.

The proposed project would use a small portion of the dredged sand to close the existing channel and the remaining sand to nourish the beach along the west end of the town. The Town of Emerald Isle presently has permits to nourish 9.68 miles (51,100 feet) of ocean shoreline using offshore borrow areas.